

1     **In the Claims:**

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- 3           1.     (Withdrawn) A raster image processor comprising:
- 4           a processor to parse a print ready file;
- 5           a rasterizer to translate the parsed print ready file to an intermediate file;
- 6     and
- 7           a compressor to translate the intermediate file to an embedded bit-stream.
- 8
- 9           2.     (Withdrawn) The raster image processor of claim 1, wherein the
- 10          print ready file comprises a print description language file.
- 11
- 12          3.     (Withdrawn) The raster image processor of claim 1, wherein the
- 13          print ready file comprises a display list.
- 14
- 15          4.     (Withdrawn) The raster image processor of claim 1, wherein the
- 16          intermediate file comprises a page strip.
- 17
- 18          5.     (Withdrawn) The raster image processor of claim 1, wherein the
- 19          embedded bit-stream comprises a progressively encoded compressed image.
- 20
- 21          6.     (Withdrawn) The raster image processor of claim 1, wherein the
- 22          embedded bit-stream comprises an image-chain.
- 23
- 24
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1           7.     (Withdrawn) The raster image processor of claim 1, further  
2 comprising a decompressor to decompress the embedded bit-stream.

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4           8.     (Withdrawn) The raster image processor of claim 1, wherein the  
5 embedded bit-stream is stored in a recordable medium.

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7           9.     (Withdrawn) A printer device comprising:  
8 a processor to parse a print ready file;  
9 a rasterizer to translate the parsed print ready file to an intermediate file;  
10 a compressor to translate the intermediate image file to an embedded bit-  
11 stream;  
12 a decompressor to decompress the embedded bit-stream; and  
13 a print engine to render an image from the decompressed embedded bit  
14 stream.

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16           10.    (Withdrawn) The printer device of claim 9 further comprising a  
17 memory to store the embedded bit-stream prior to decompression.

18  
19           11.    (Withdrawn) The printer device of claim 9, wherein the embedded  
20 bit-stream comprises a progressively encoded compressed image.

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22           12.    (Withdrawn) The printer device of claim 9, wherein the embedded  
23 bit-stream comprises an image-chain.  
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1           13.   (Withdrawn) A rasterizer comprising:  
2           a processor;  
3           a memory to store a display list file;  
4           a rasterization module to create raster data in the display list file; and  
5           a compressor to compress the raster data into one or more embedded bit  
6 streams.

7  
8           14.   (Withdrawn) The rasterizer of claim 13, wherein the compressor is  
9 configured to complete compression into the one or more embedded bit-streams  
10 whenever a predetermined threshold is met.

11  
12           15.   (Withdrawn) The rasterizer of claim 13, wherein the compressor is  
13 configured to compress the one or more embedded bit streams to include a set of  
14 quality blocks and a quality block is dropped from each of the one or more  
15 embedded bit-stream when a predetermined threshold is met.

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17           16.   (Withdrawn) The rasterizer of claim 13, wherein the compressor is  
18 configured to compress the one or more embedded bit streams to include a set of  
19 quality blocks and a quality block is dropped from a longest embedded bit-stream  
20 of the one or more embedded bit-streams when a predetermined threshold is met.

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22           17.   (Withdrawn) The rasterizer of claim 13, wherein the compressor is  
23 configured to compress the one or more embedded bit stream to include a set of  
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1 quality blocks and a quality block based on a predetermined metric is dropped  
2 from a set of embedded bit-streams when a predetermined threshold is met.

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4 18. (Withdrawn) The rasterizer of claim 17, wherein the predetermined  
5 metric is based on a signal to noise ratio.

6  
7 19. (Withdrawn) The rasterizer of claim 17, wherein the predetermined  
8 metric is based on visual quality.

9  
10 20. (Original) A method of compressing print data comprising:  
11 determining a threshold of a printing device resource;  
12 receiving an intermediate image file;  
13 translating the intermediate image file to data described by a progressive  
14 encoding technique;  
15 selectively dropping quality information from the data when the threshold  
16 of a printing device resource is met.

17  
18 21. (Original) The method of claim 20 wherein the data described by a  
19 progressive encoding technique comprises embedded bit-streams.

20  
21 22. (Original) The method of claim 21, wherein dropping quality  
22 information is performed by dropping a quality block from each of the embedded  
23 bit-streams when the threshold of the printing device resource is met.

1           23. (Original) The method of claim 21, wherein dropping quality  
2 information is performed by dropping a quality block from a longest embedded  
3 bit-stream of the embedded bit-streams when the threshold of the printing device  
4 resource is met.

5  
6           24. (Original) The method of claim 21, wherein dropping quality  
7 information is performed by dropping a quality block based on a predetermined  
8 metric from each of the embedded bit-streams when the threshold of the printing  
9 device resource is met.

10  
11           25. (Original) The method of claim 20, further comprising completing  
12 translating the intermediate file when the threshold of the printing device resource  
13 is met.

14  
15           26. (Original) The method of claim 20, wherein the intermediate image  
16 file comprises a page strip.

17  
18           27. (Original) The method of claim 20, wherein the embedded bit-  
19 stream comprises an image chain.

20  
21           28. (Original) An embedded bit-stream compressor comprising:  
22 means for receiving an intermediate image file;  
23 means for translating the intermediate image file to embedded bit-streams;  
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1 means for selectively dropping quality information from the embedded bit-  
2 streams when a predetermined threshold of a printing device resource is met.

3  
4 29. (Original) The embedded bit-stream compressor of claim 28 wherein  
5 the means for translating the intermediate image file includes a means for  
6 completing translating when the predetermined threshold of the printing device  
7 resource is met.

8  
9 30. (Original) The embedded bit-stream compressor of claim 28 further  
10 comprising means for storing the embedded bit-streams to a recordable medium.

11  
12 31. (Original) A computer program product, encoded in computer  
13 readable media, comprising:

14 a first set of instructions, executable on a computer system, configured to  
15 receive an intermediate image file;

16 a second set of instructions, executable on the computer system, configured  
17 to translate the intermediate image file to embedded bit-streams; and

18 a third set of instructions, executable on the computer system, configured to  
19 drop quality information from the embedded bit-streams when a predetermined  
20 threshold of a printing device resource is met.

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22 32. (Original) The computer program product of claim 36 further  
23 comprising:

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1 a fourth set of instructions, executable on the computer system, configured  
2 to store the embedded bit-streams on recordable media.

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4 33. (Original) The computer program product of claim 31, wherein the  
5 second set of instructions translates the intermediate file when the predetermined  
6 threshold of the printing device resource is met.

7  
8 34. (Original) The computer program product of claim 31, wherein the  
9 third set of instructions drop quality by dropping a portion of quality information  
10 from each of the embedded bit-streams when the predetermined threshold of the  
11 printing device is met.

12  
13 35. (Original) The computer program product of claim 31, wherein the  
14 third set of instructions drop quality information by dropping a portion of quality  
15 information from a longest embedded bit-stream of the embedded bit-streams  
16 when the predetermined threshold of the printing device is met.

17  
18 36. (Original) The computer program product of claim 31, wherein the  
19 third set of instructions drop quality information by dropping a portion of quality  
20 information based on a predetermined metric from each of the embedded bit-  
21 streams when the predetermined threshold of the printing device is met.